

WHAT IS CLAIMED IS:

1. A digital camera comprising:
  - a photographing component for photographing a subject;
  - a setting component for setting whether or not generation of an intermediate image is to be carried out;
  - an intermediate image generating component for generating, when intermediate image generation is set by the setting component, an intermediate image having a resolution between an original image and a thumbnail image; and
  - a storage component for storing an original image photographed by the photographing component and the generated intermediate image.
2. The digital camera of claim 1, wherein the setting component sets the size of the intermediate image to be generated.
3. The digital camera of claim 1, wherein the size of the intermediate image is  $1/3$  the size of the original image.
4. The digital camera of claim 1, wherein
  - the setting component sets whether or not generation of a thumbnail image is to be carried out,
  - a thumbnail image generating component, for generating the thumbnail image when thumbnail image generation is set by the setting component, is disposed, and

the storage component stores the generated thumbnail image.

5. The digital camera of claim 4, wherein the setting component sets the size of the thumbnail image to be generated.

6. The digital camera of claim 4, wherein the thumbnail image is generated by sampling pixels at predetermined intervals.

7. The digital camera of claim 4, wherein the thumbnail image is generated using an image reduction algorithm.

8. A photographing system comprising:

a digital camera; and

a personal computer,

wherein the digital camera includes

a photographing component for photographing a subject,

a setting component for setting whether or not to generation of an intermediate image is to be carried out,

an intermediate image generating component for generating, when intermediate image generation is set by the setting component, an intermediate image having a resolution between an original image and a thumbnail image,

a storage component for storing an original image

photographed by the photographing component and the generated intermediate image, and

a communicating component for communicating with the personal computer, and

the personal computer sets the setting component via the communicating component.

9. The photographing system of claim 8, wherein the setting component sets the size of the intermediate image to be generated.

10. The photographing system of claim 8, wherein the size of the intermediate image is  $1/3$  the size of the original image.

11. The photographing system of claim 8, wherein the setting component sets whether or not generation of a thumbnail image is to be carried out,

a thumbnail image generating component, for generating the thumbnail image when thumbnail image generation is set by the setting component, is disposed in the digital camera, and

the storage component stores the generated thumbnail image.

12. The photographing system of claim 11, wherein the setting component sets the size of the thumbnail image to be generated.

13. The digital camera of claim 11, wherein the thumbnail image is generated by sampling pixels at predetermined intervals.

14. A method for photographing with a digital camera, the method comprising the steps of:

(a) photographing a subject;

(b) setting whether or not generation of an intermediate image is to be carried out;

(c) generating an intermediate image having a resolution between an original image and a thumbnail image when intermediate image generation is set; and

(d) storing the photographed original image and the generated intermediate image.

15. The method for photographing with a digital camera of claim 14, wherein the size of the intermediate to be generated is set in step (b).

16. The method for photographing with a digital camera of claim 14, wherein the size of the intermediate image is  $1/3$  the size of the original image.

17. The method for photographing with a digital camera of claim 14, wherein

in step (b), whether or not generation of a thumbnail image

is to be carried out is set,

the thumbnail image is generated when thumbnail image generation is set in step (b), and

the generated thumbnail image is stored in step (d).

18. The method for photographing with a digital camera of claim 17, wherein the size of the thumbnail image to be generated is set in step (b).

19. The method for photographing with a digital camera of claim 17, wherein the thumbnail image is generated by sampling pixels at predetermined intervals.

20. The method for photographing with a digital camera of claim 17, wherein the thumbnail image is generated using an image reduction algorithm.